IN THE CLAIMS

This listing of all pending claims (including withdrawn claims) will replace all prior versions, and listings, of claims in the application. Cancelled and not entered claims are indicated with claim number and status only. The claims show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 1-3 and 6-8; CANCEL claims 4, 5 and 9-12; and ADD new claims 13-15 in accordance with the following:

1. (Currently Amended) A computer-readable record medium that stores a program for ~~making a computer perform the~~ a multicast process of delivering information to a plurality of delivery destinations ~~like broadcasting~~, the ~~program making a computer function as~~ process comprising: ~~a group generating unit for~~ generating groups including at least one data packet from a ~~group~~ given set of data packets to be delivered; ~~a delivery times determining unit for~~ determining ~~the~~ a number of times greater than one that each of the groups ~~generated by the group generating unit is delivered~~ should be transmitted repetitively before the delivery destinations respond to delivery; and ~~a delivering unit for~~ repeating delivery of each of the groups generated by the group generating unit as many times determined as specified by ~~the delivery times~~ said determining unit.

2. (Currently Amended) The record medium according to claim 1, wherein the group generating ~~unit~~ determines ~~the~~ a number of data packets included in each group according to ~~the~~ a state of a communication line or delivery destination.

3. (Currently Amended) The record medium according to claim 1, wherein ~~the group~~ said generating ~~unit~~ determines ~~the~~ a total amount of data included in each ~~of~~ data ~~packets~~ packet included in each group according to ~~the~~ a state of a communication line or delivery destination.

Claims 4-5 (Canceled).

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6. (Currently Amended) The record medium according to claim ~~5~~ 1, ~~wherein the congestion state~~ further comprising measuring ~~unit measures the~~ a congestion state of a system based on ~~the basis of~~ time needed for accessing a memory and ~~the~~ a state of ~~the~~ load on a processor.

7. (Currently Amended) The record medium according to claim 1, further ~~storing a program for making a computer function as a redelivering unit for~~ comprising redelivering ~~a corresponding portion of~~ a previously delivered data packet ~~at need in the case of having received information regarding a state in which~~ when one of the delivery destinations has reported that the data packet ~~was~~ could not be received ~~from a predetermined delivery destination~~.

8. (Currently Amended) A multicast delivery method for delivering information to a plurality of delivery destinations ~~like broadcasting,~~ ~~the method~~ comprising: ~~a group generating step for~~

generating groups including at least one data packet from a group of data packets to be delivered; ~~a delivery times determining step for~~

determining ~~the~~ a number of times each of the groups ~~generated by the group generating step is delivered~~ should be transmitted repetitively before the delivery destinations respond to the delivery, the number of times being greater than one; and ~~a delivering step for~~

repeating delivery of each of the groups generated by the group generating step as many times ~~determined~~ as specified by ~~the delivery times~~ said determining ~~step~~.

Claims 9-12 (Cancelled).

13. (New) A computer-readable record medium storing a program that when executed controls a computer performs a multicast process of delivering information to a plurality of delivery destinations, said process comprising:

generating groups of data, each including at least one data packet from a given set of data packets to be delivered;

determining a number of times each of the groups is delivered;

specifying a number of delivery destinations to which data is to be delivered;

estimating a processing time required to handle each single response from the delivery destinations;

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calculating a total response processing time;

repeating delivery of each of the groups as many times as specified by said determining; and

delivering control information including the total response processing time, to the delivery destinations so that the delivery destinations will respond at a randomly selected timing within the total response processing time after each group of data packets are received.

14. (New) The computer-readable record medium according to claim 13, further comprising repetitively delivering the groups before the delivery destinations respond to delivery.

15. (New) The computer-readable record medium according to claim 14, wherein a number of times each of the groups generated by the group generating unit is delivered is greater than one.